



JST16F-1200TW 16A TRIAC

Rev.A.1.1

The JST16F-1200TW triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. JST16F-1200TW snubberless triac is especially recommended for use on inductive loads. It can be driven directly through the MCU I/O port. By using an external plastic package, JST16F-1200TW provides a rated insulation voltage of 2000 VRMS, complying with UL standards (File ref: E252906). Package TO-220F is RoHS compliant.

	$P_{G(AV)}$	0.5	W
	P_{GM}	10	W
	V_{pp}	3	kV

(unless otherwise specified)

Parameter	Value	Unit	
	MAX.	5	mA
	MAX.	1	V
	MIN.	0.2	V
	MAX.	15	mA
		20	
	MAX.	15	mA
	MIN.	20	V/ μ s
	MIN.	1.5	A/ms
	TYP.	3	μ s
		25	

	Value(MAX.)	Unit
5	1.5	V
25	0.77	V

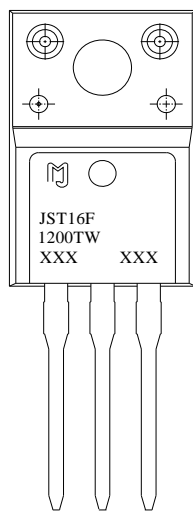
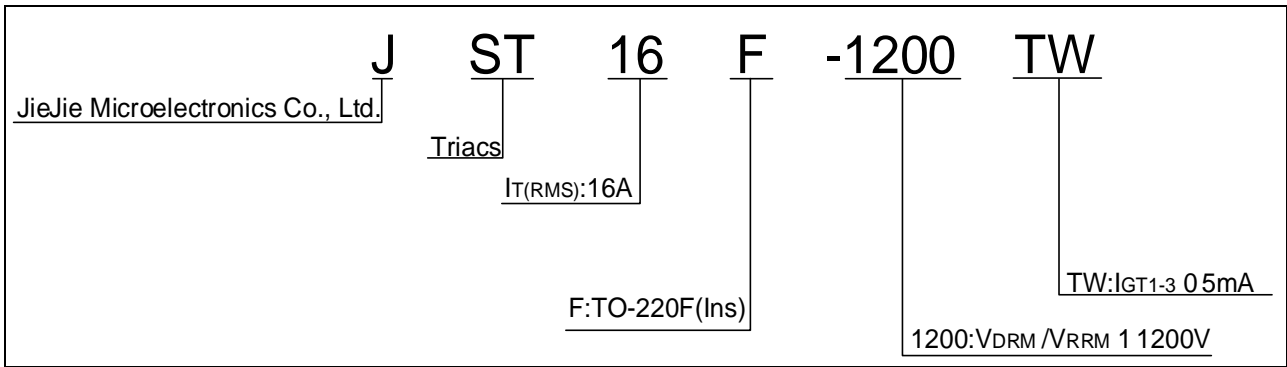


FIG.1: Maximum power dissipation versus RMS on-state current

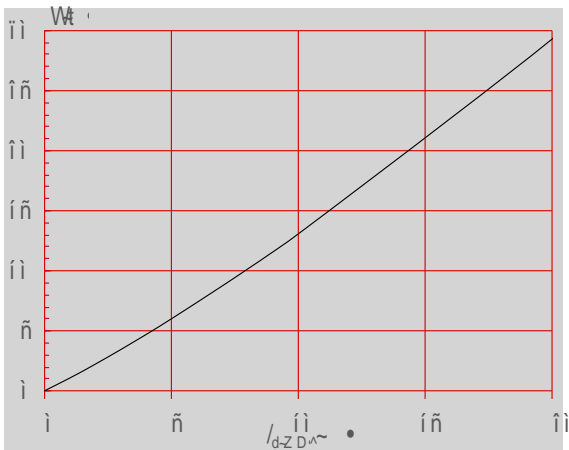


FIG.3: Surge peak on-state current versus number of cycles

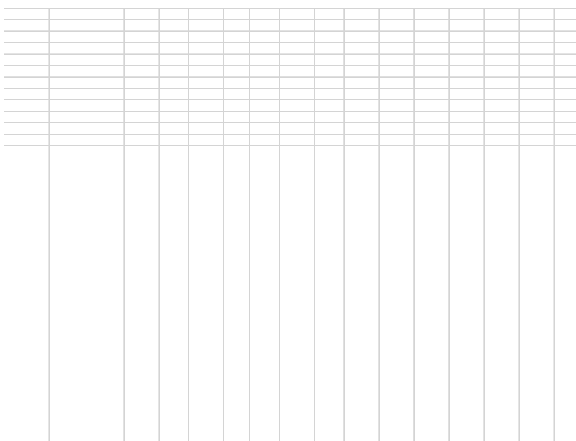


FIG.2: RMS on-state current versus case temperature

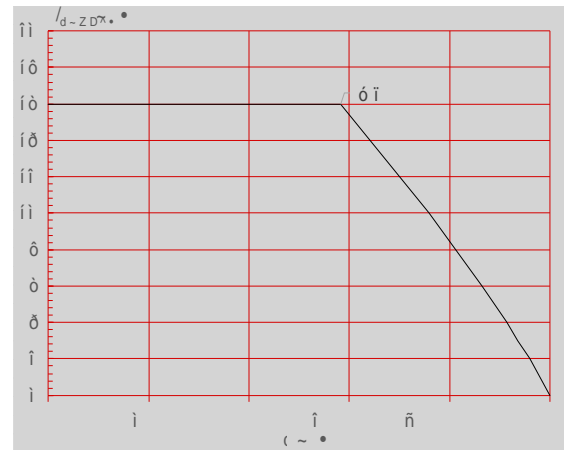
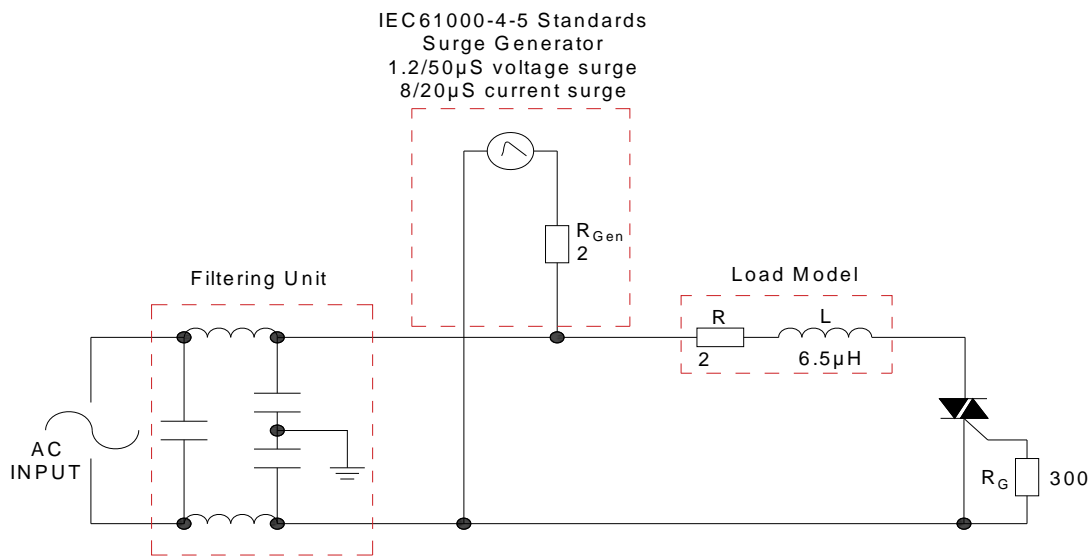


FIG.4: On-state characteristics

FIG.7 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards



Refer to the application note "Assembly Instructions for Thyristors in Through-hole Package" released by JieJie
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Order code	Voltage V _{DRM} /V _{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
JST16F-1200TW	1200	5	TO-220F(Ins)	50	Tube

Document Revision History

Date	Revision	Changes
Apr.12, 2023	A.1.0	Last updated
Oct.13, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA



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